

Title (en)

MARINE PROPELLER WITH OPTIMIZED PERFORMANCE BLADE CONTOUR

Publication

EP 0391921 B1 19931013 (EN)

Application

EP 88908904 A 19880913

Priority

US 10614087 A 19871008

Abstract (en)

[origin: US4802822A] A marine propeller (4) combines decreasing overall pitch from hub (6) to blade tip (20) and increasing progressiveness of pitch with increasing radii from hub to tip, and provides uniform loading from hub to tip. The blade has a maximum transverse dimension (36, 46, 48) between the high pressure surface (16) of the blade and a straight line chord (34, 34a, 34b) between the leading edge (22) and the trailing edge (24) of the blade. The ratio of this maximum transverse dimension to the length of the chord is ever increasing from hub to tip. A parabolic blade rake along the maximum radial dimension line (50) of the blade is provided in combination.

IPC 1-7

B63H 1/26

IPC 8 full level

B63H 1/26 (2006.01)

CPC (source: EP US)

B63H 1/26 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

US 4802822 A 19890207; BR 8807734 A 19900807; CA 1285830 C 19910709; DE 3884963 D1 19931118; DE 3884963 T2 19940519; EP 0391921 A1 19901017; EP 0391921 B1 19931013; JP H03501239 A 19910322; WO 8903340 A1 19890420

DOCDB simple family (application)

US 10614087 A 19871008; BR 8807734 A 19880913; CA 579623 A 19881007; DE 3884963 T 19880913; EP 88908904 A 19880913; JP 50822288 A 19880913; US 8803215 W 19880913